

## PATENT ABSTRACTS OF JAPAN

AI

(11)Publication number : 2001-246644  
 (43)Date of publication of application : 11.09.2001

(51)Int.CI. B29C 45/26  
 B29C 45/14  
 B29C 45/16  
 // B29L 9:00

(21)Application number : 2000-059035

(71)Applicant : MEIKI CO LTD  
 UNITIKA LTD  
 HISAKADO SEIKI KK  
 (72)Inventor : KOYAMA HIRONORI  
 SAKAGUCHI TOMOZO  
 FUKUOKA HIROSHI

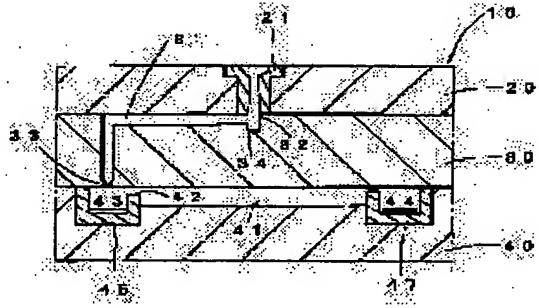
(22)Date of filing : 03.03.2000

**(54) INJECTION MOLD AND METHOD FOR MANUFACTURING LAMINATING MOLDED ARTICLE USING THE SAME**

**(57)Abstract:**

**PROBLEM TO BE SOLVED:** To provide an injection mold for a molded article wherein partial wall thickness difference does not become a problem even if a plurality of molded articles are used in a laminated state and a method for manufacturing a laminating molded article using the mold.

**SOLUTION:** In the injection mold wherein a resin raw material is injected in a cavity 41 for a molded article from the side gate 42 on one side of the cavity 41 through the runner 31 communicating with a sprue 21, a three-plate type structure consisting of the plate 20 on the side of the sprue, the plate 30 on the side of the runner and the plate 40 on the side of the cavity is provided. The plate on the side of the cavity is formed so that a mold part 45 having the side gate formed thereto and a mold part 47 at the position opposite to the side gate are replaceable and, by the replacement or rotation of the plate on the side of the runner and the replacement of the mold part having the side gate formed thereto with the mold part at the position opposite to the side gate, the runner and the side gate become the position opposite to the cavity.



**LEGAL STATUS**

[Date of request for examination] 07.12.2001

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of  
rejection]

[Date of requesting appeal against examiner's  
decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office

**\* NOTICES \***

Japan Patent Office is not responsible for any damages caused by the use of this translation.

1. This document has been translated by computer. So the translation may not reflect the original precisely.

2. \*\*\*\* shows the word which can not be translated.

3. In the drawings, any words are not translated.

---

**CLAIMS**

---

**[Claim(s)]**

[Claim 1] In the injection molding die by which a resin raw material is injected by the cavity concerned through the runner which is open for free passage to sprue from the side gate by the side of one of the cavity for mold goods The sprue plate with which said sprue was formed; and the runner side plate formed so that said runner might result from sprue to the 1 side of a cavity. The metal mold part in which it considered as three-sheet mold structure with the cavity side plate with which said side gate and the cavity were formed, and, as for said cavity side plate, the side gate was formed, With said side gate, the metal mold part of an opposite hand location is formed exchangeable. By exchange or a revolution of said runner side plate